SEQUENCE LISTING

(1) GENERAL INFORMATION:

    (i) APPLICANT: Gunzburg, Walter H.
                Saller, Robert M.
                Salmons, Brian

    (ii) TITLE OF INVENTION:

           THE USE OF THE WAP OR MMTV REGULATORY SEQUENCES FOR TARGETED
           EXPRESSION OF LINKED HETEROLOGOUS GENES IN HUMAN MAMMARY
           CELLS, INCLUDING HUMAN MAMMARY CARCINOMA CELLS

    (iii) NUMBER OF SEQUENCES: 9

    (iv) CORRESPONDENCE ADDRESS:
        (A) ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
        (B) STREET: Two Militia Drive
        (C) CITY: Lexington
        (D) STATE: Massachusetts
        (E) COUNTRY: USA
        (F) ZIP: 02173

    (v) COMPUTER READABLE FORM:
        (A) MEDIUM TYPE: Floppy disk
        (B) COMPUTER: IBM PC compatible
        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
        (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

    (vi) CURRENT APPLICATION DATA:
        (A) APPLICATION NUMBER: US 09/035,596
        (B) FILING DATE: 05-MAR-1998
        (C) CLASSIFICATION:

    (vii) PRIOR APPLICATION DATA:
        (A) APPLICATION NUMBER: PCT/EP96/03922
        (B) FILING DATE: 06-SEP-1996

    (vii) PRIOR APPLICATION DATA:
        (A) APPLICATION NUMBER: DK 0976/95
        (B) FILING DATE: 06-SEP-1995

    (viii) ATTORNEY/AGENT INFORMATION:
        (A) NAME: Brook, David E.
        (B) REGISTRATION NUMBER: 22,592
        (C) REFERENCE/DOCKET NUMBER: GSF98-01A

    (ix) TELECOMMUNICATION INFORMATION:
        (A) TELEPHONE: (781) 861-6240
        (B) TELEFAX: (781) 861-9540

(2) INFORMATION FOR SEQ ID NO:1:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 41 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

```
    (ii) MOLECULE TYPE: other nucleic acid
         (A) DESCRIPTION: /desc = "DNA"
    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
```

ATGAAAGACC CCGCGGACGC GTGCGCCAGT CCTCCGATTG A   41

(2) INFORMATION FOR SEQ ID NO:2:

```
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 20 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
         (A) DESCRIPTION: /desc = "DNA"




    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
```

TCAATCACTC AGAGGAGACC   20

(2) INFORMATION FOR SEQ ID NO:3:

```
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 41 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
         (A) DESCRIPTION: /desc = "DNA"




    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
```

ACATCGATAG AAAAAGGGGG GAATGAAAGA CCCCGCGGAC G   41

(2) INFORMATION FOR SEQ ID NO:4:

```
    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 26 base pairs
        (B) TYPE: nucleic acid
       ·(C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
         (A) DESCRIPTION: /desc = "DNA"




    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
```

ATACCGCGGA AAAAGGGGGA AATGCC   26

(2) INFORMATION FOR SEQ ID NO:5:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 33 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
        (A) DESCRIPTION: /desc = "DNA"

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GCGGCGACGC GTAAGTTTAC TCAAAAAATC AGC   33

(2) INFORMATION FOR SEQ ID NO:6:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 28 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
        (A) DESCRIPTION: /desc = "DNA"

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

AACCGCGGCC AGGAGAAGTC ACCCTCAG   28

(2) INFORMATION FOR SEQ ID NO:7:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 30 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (ii) MOLECULE TYPE: other nucleic acid
        (A) DESCRIPTION: /desc = "DNA"

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

ACACGCGTCT GCCTCTCCCC TCAGGACACA   30

(2) INFORMATION FOR SEQ ID NO:8:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 26 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid
      (A) DESCRIPTION: /desc = "DNA"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

AAGCCGGATC CCTGGAGAGC ATGCAC   26

(2) INFORMATION FOR SEQ ID NO:9:

      (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 20 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear

      (ii) MOLECULE TYPE: other nucleic acid
          (A) DESCRIPTION: /desc = "DNA"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

CGATTAGGAT CCCTGCCTCA   20